

Preliminary Amendment of U.S. National Stage for International Application  
PCT/EP00/02249 filed March 14, 2000

--Components (I) and (II)

It has proved to be of advantage to select the constituents of components (I) and (II) so that a viscosity of 500 to 50,000 mPas at 25°C and preferably in the range from 2000 to 20,000 mPas, as measured to DIN 53211.—

*Please delete all text above line 6, of page 31, and replace the deleted matter with the following new section heading:*

--ABSTRACT OF THE DISCLOSURE--

In the claims:

Please cancel claims 1-18.

Please add the following new claims 19-34.

19. (New) A filler-containing foam which is the product of the process which comprises reacting (I) a polyfunctional isocyanate and (II) a mixture comprised of a carboxylic acid, a hydroxycarboxylic acid or a combination thereof; a filler mixture comprised of an inorganic, high temperature resistant filler, a micropore-forming, high temperature resistant filler, and a heat-activatable swelling agent.

20. (New) The foam of claim 19 wherein component (II) is further comprised of an alcohol, a monofunctional primary amine, a monofunctional secondary amine, a polyfunctional primary amine, a polyfunctional secondary amine, an adduct of a carboxylic acid and an alcohol, an adduct of a carboxylic acid and a monofunctional primary amine, a monofunctional secondary amine, a polyfunctional primary amine, a polyfunctional secondary amine.

21. (New) The foam of claim 19 wherein component (I), (II) or (I) and (II) is further comprised of a catalyst, a foam stabilizer, a liquid flame retardant, a silicon dioxide or a combination thereof.

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22. (New) The foam of claim 19 wherein component (I) is further comprised of water.

23. (New) The foam of claim 19 wherein the filler mixture is further comprised of an adhesive, a grinding aid, an anticaking agent, and combinations thereof.

24. (New) The foam of claim 19 wherein the polyfunctional isocyanate is selected from the group consisting of an aliphatic aromatic polyfunctional isocyanate, cycloaliphatic aromatic polyfunctional isocyanate, an aromatic polyfunctional isocyanate and an oligomerized NCO-containing product produced therefrom.

25. (New) The foam of claim 19 wherein the polyhydroxypolycarboxylic acids are used as the carboxylic acids.

26. (New) The foam of claim 20 wherein the alcohol is a polyester polyol, a polyether polyol or a combination thereof.

27. (New) The foam of claim 19 wherein the inorganic, high temperature resistant filler is selected from the group consisting of calcium carbonate, calcium sulfate, clay, aluminum oxide, magnesium oxide and aluminum silicate.

28. (New) The foam of claim 19 wherein the inorganic, high temperature resistant filler having a mean particle size of 1 to 20  $\mu\text{m}$ .

29. (New) The foam of claim 19 wherein the micropore-forming, high temperature resistant filler is selected from the group consisting of expanded perlite, expanded vermiculite, expanded clay, expanded graphite, a hollow aluminum silicate bead, a hollow glass bead, a hollow fly-ash bead, a cellular concrete and an expanded waterglass.

30. (New) The foam of claim 19 wherein the filler is a mixture of solids comprising

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from about 20 to about 90% by weight of inorganic, high temperature resistant filler; from about 1 to about 30% by weight of a heat-activatable swelling agent; from about 0.1 to about 35% by weight of an adhesive; from about 2 to about 40% by weight of a micropore-forming, high temperature resistant filler and from about 0.01 to about 10% by weight of a grinding aid and/or an anticaking agent wherein the sum of the weights of all components is equal to 100%.

31. A process for the production of filler-containing foams comprising mixing (I) a polyfunctional isocyanate and (II) a mixture comprised of a carboxylic acid, a hydroxycarboxylic acid or a combination thereof; a filler mixture comprised of an inorganic, high temperature resistant filler, a micropore-forming, high temperature resistant filler, and a heat-activatable swelling agent.

32. The process of claim 31 wherein the volume ratio of components (I) and (II) is from about 1:2 to about 2:1.

33. The process of claim 31 wherein the volume ratio is 1:1.

34. The process of claim 31 wherein the process is carried out at a temperature of from about 0 to about 40°C.